

Fig. 1 is a cross-sectional view of a semiconductor device. It shows a substrate (9) with a layer (2) and a top layer (1) with openings (4) and a passivation layer (7).

A cross-sectional view of a semiconductor device. It features a central trench (5) that extends from the top surface down to a lower layer (2). The top surface is covered by a layer (1) with small dots, which sits on a hatched layer (7). The hatched layer (7) is on top of a solid layer (2). The entire structure is on a substrate (9). The trench (5) is flanked by regions (4) and (7) on the top surface, and regions (2) and (9) on the bottom surface.

FIG.2A

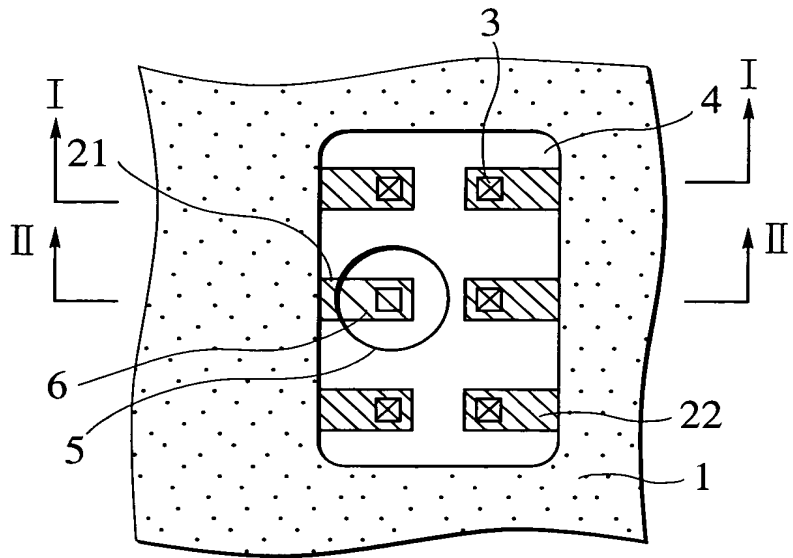


FIG.2B

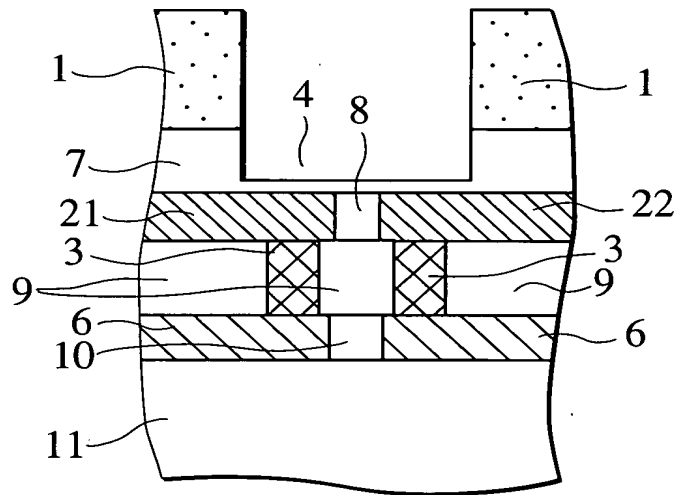


FIG.2C

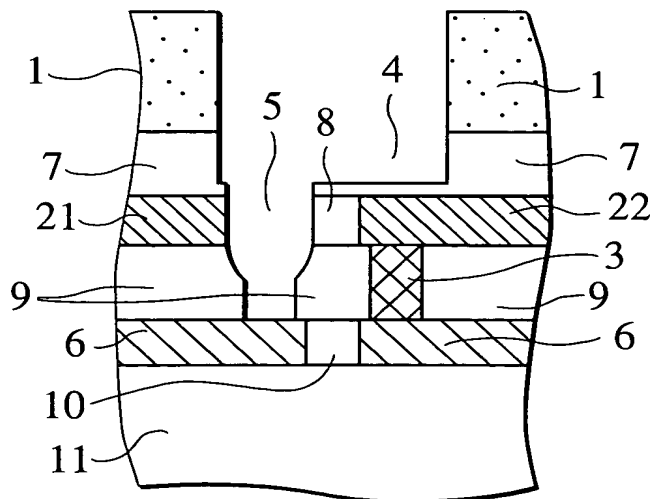


FIG.3A

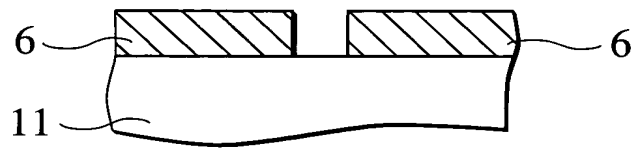


FIG.3B

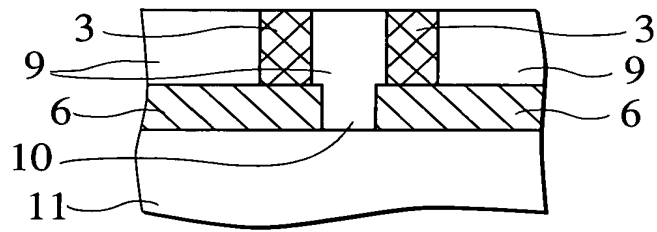


FIG.3C

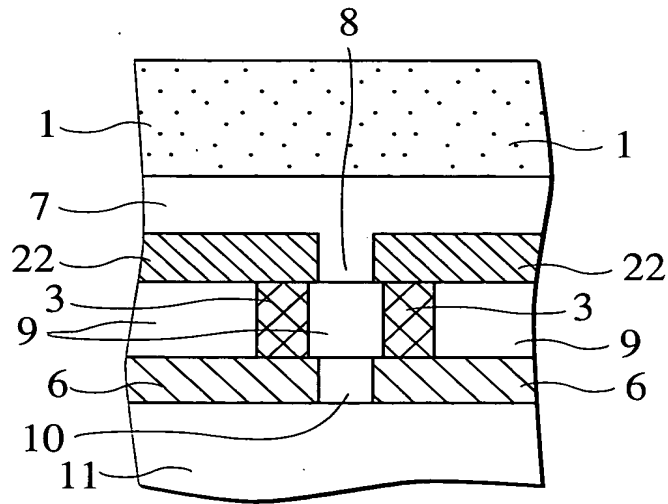
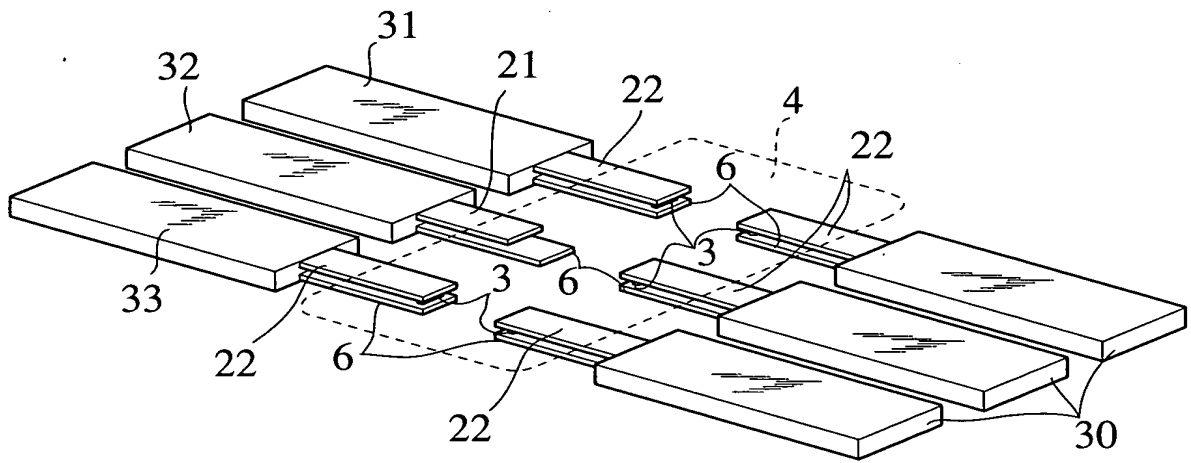


FIG.4



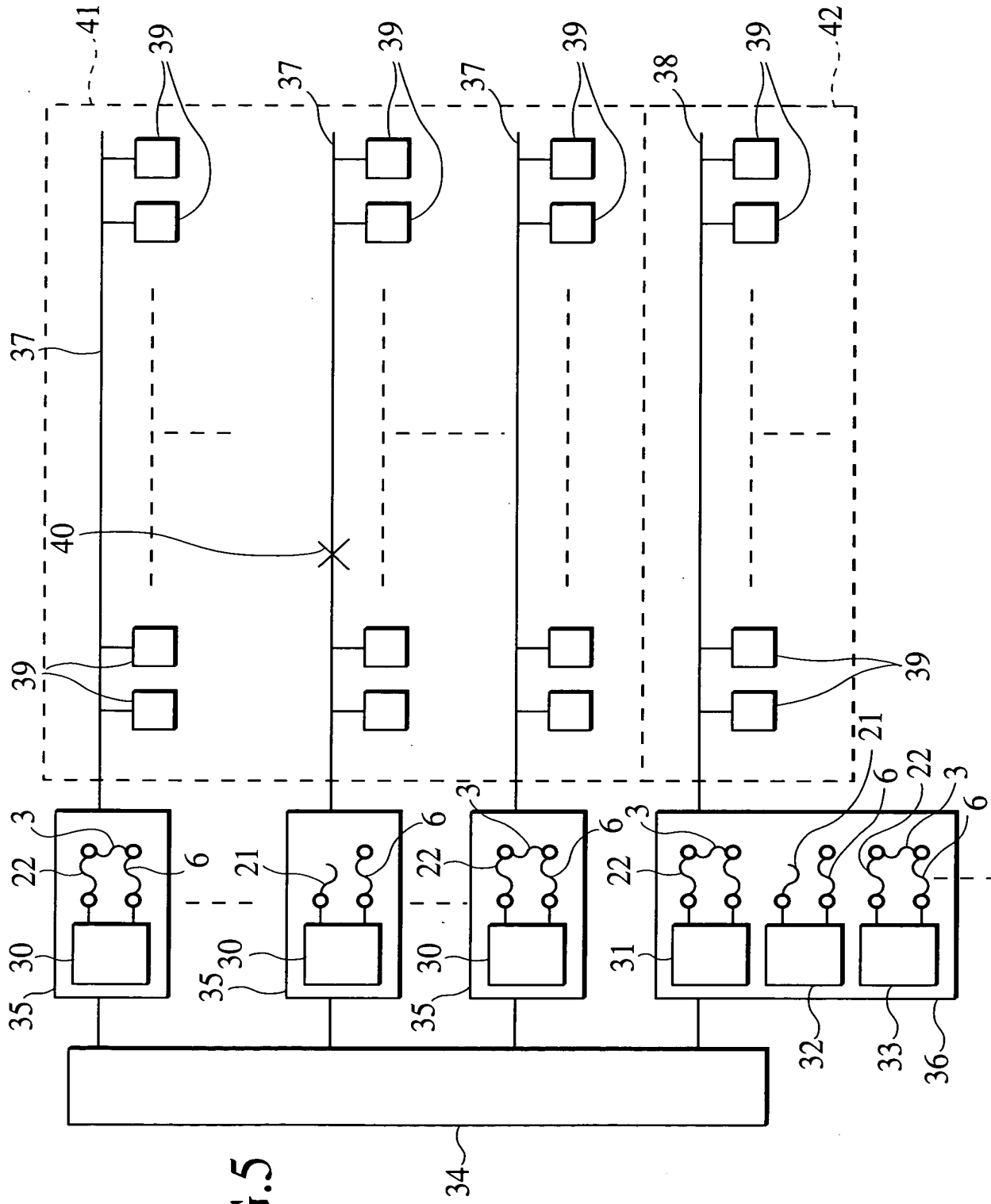


FIG.5



FIG.7A

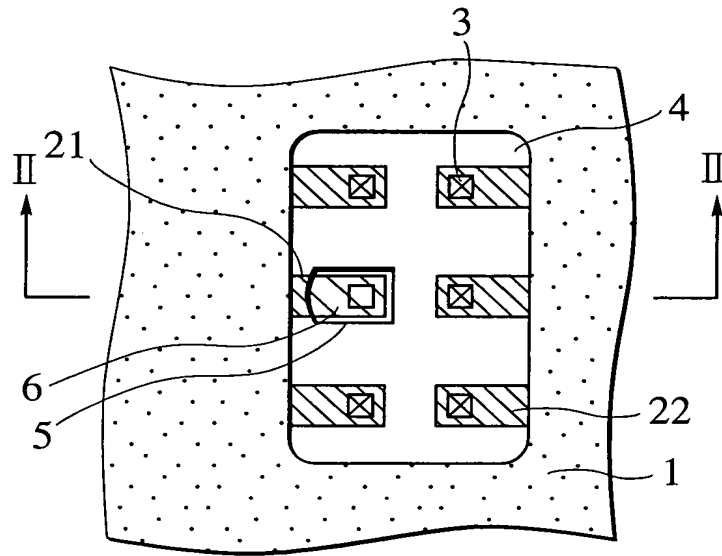


FIG.7B

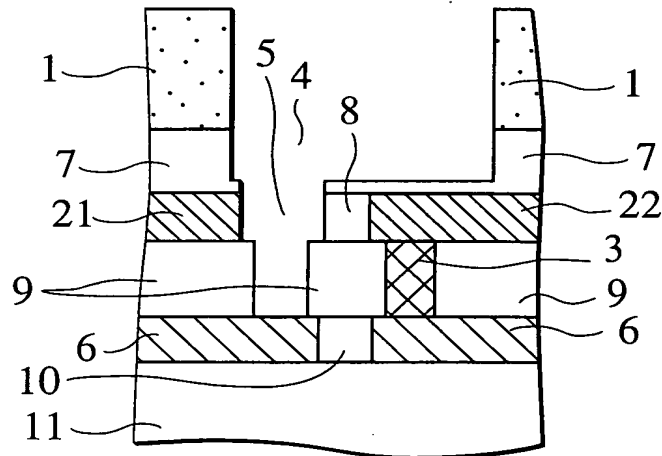


FIG. 8B

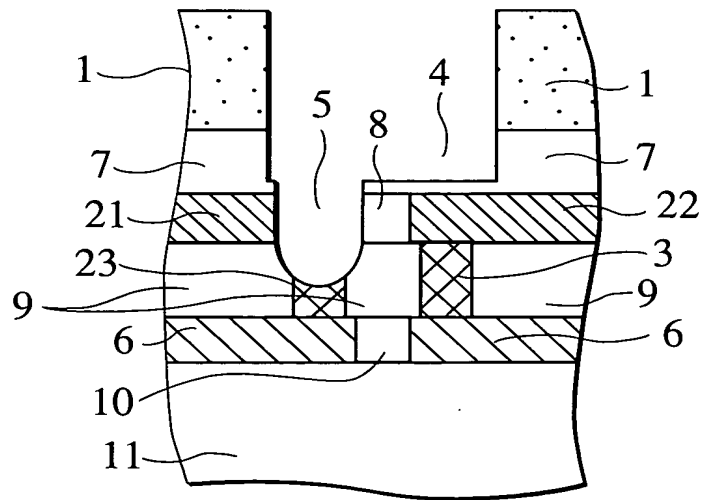




FIG.9A

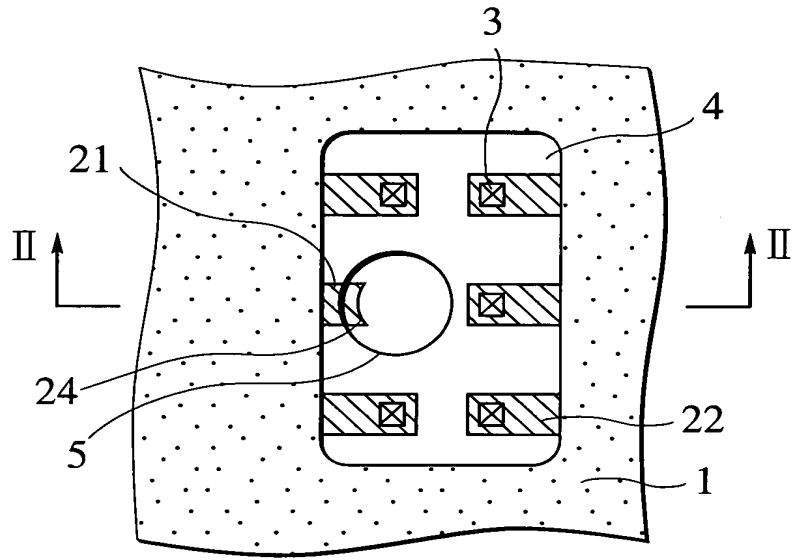


FIG.9B

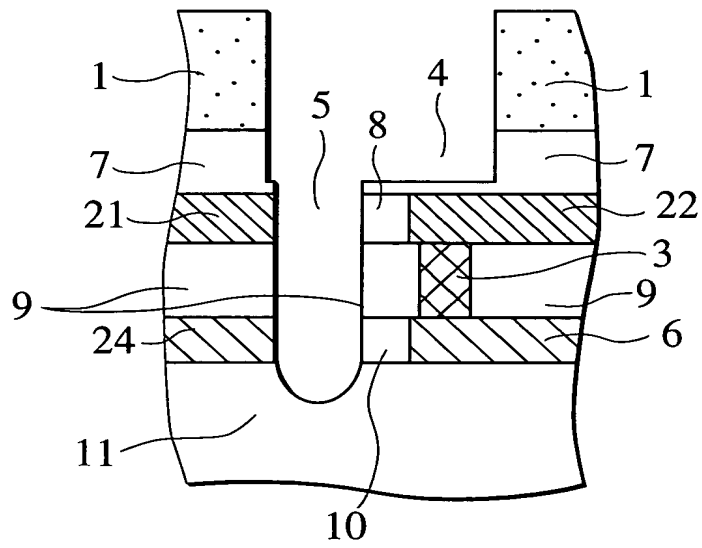


FIG.10A

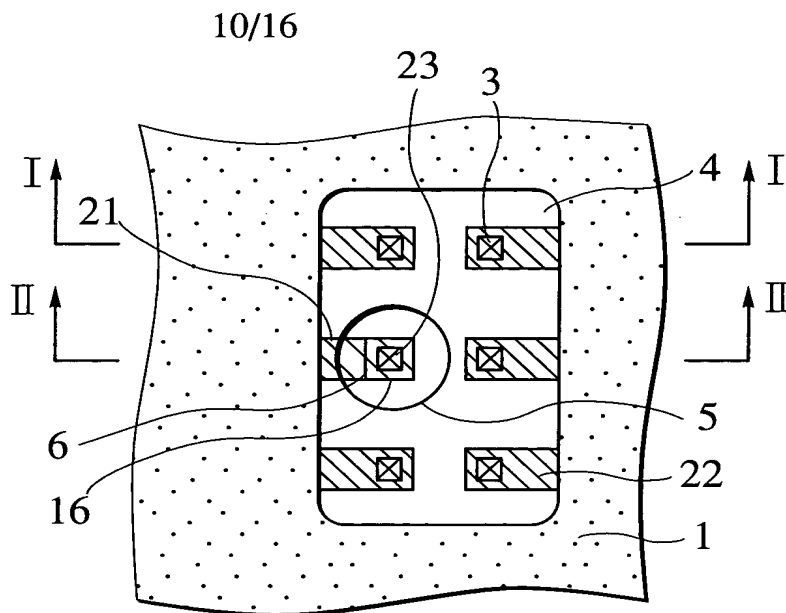


FIG.10B

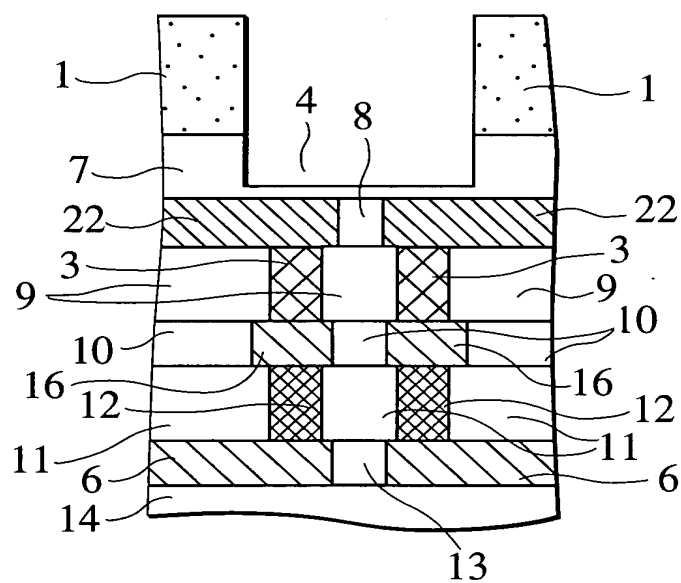


FIG.10C

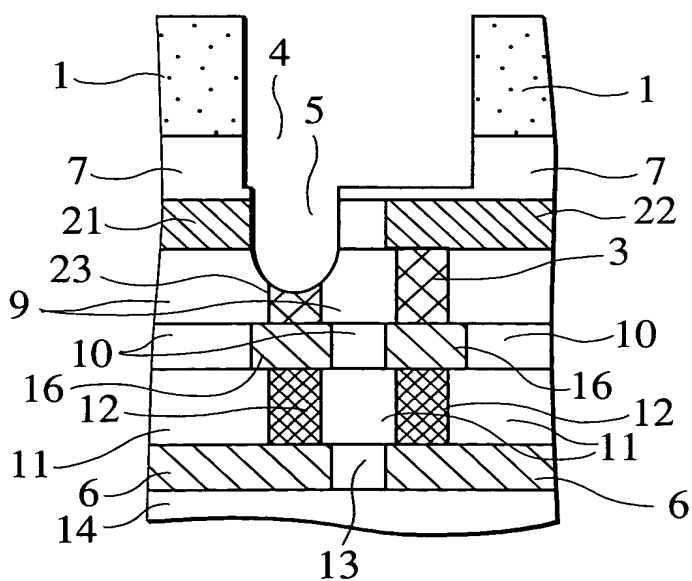


FIG.11A

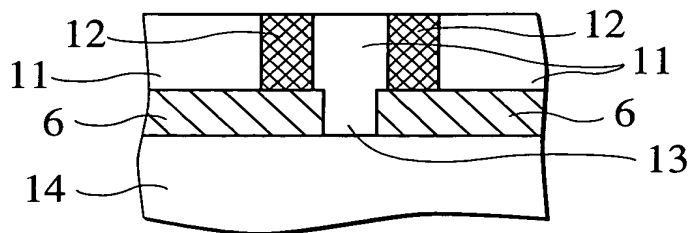


FIG. 11B

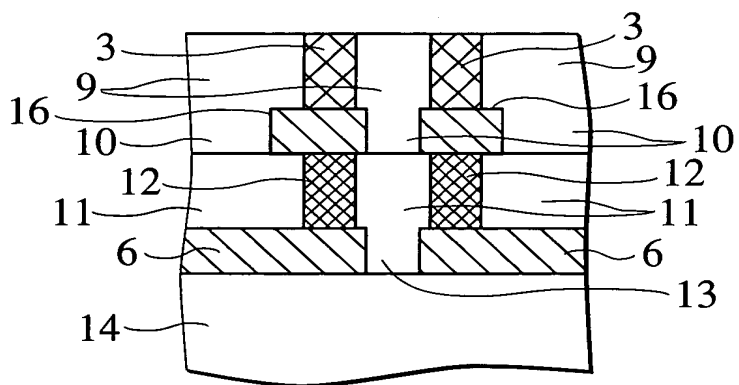


FIG.11C

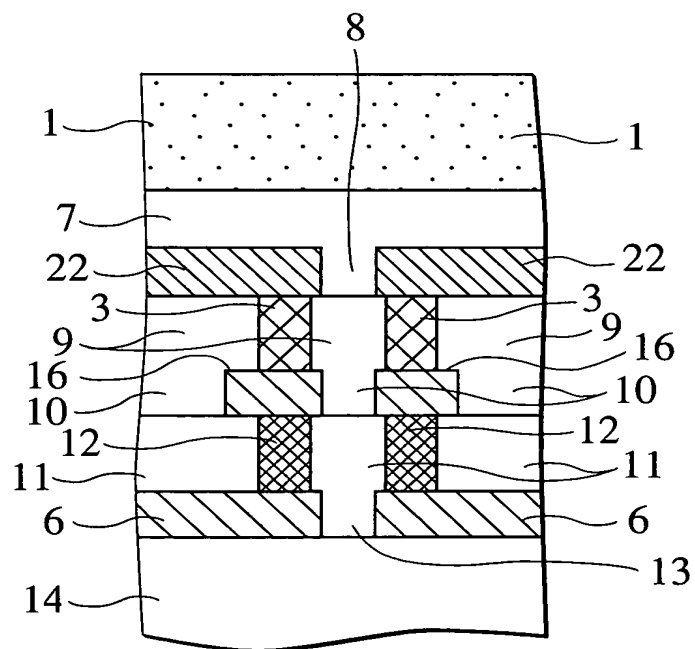


FIG.12A

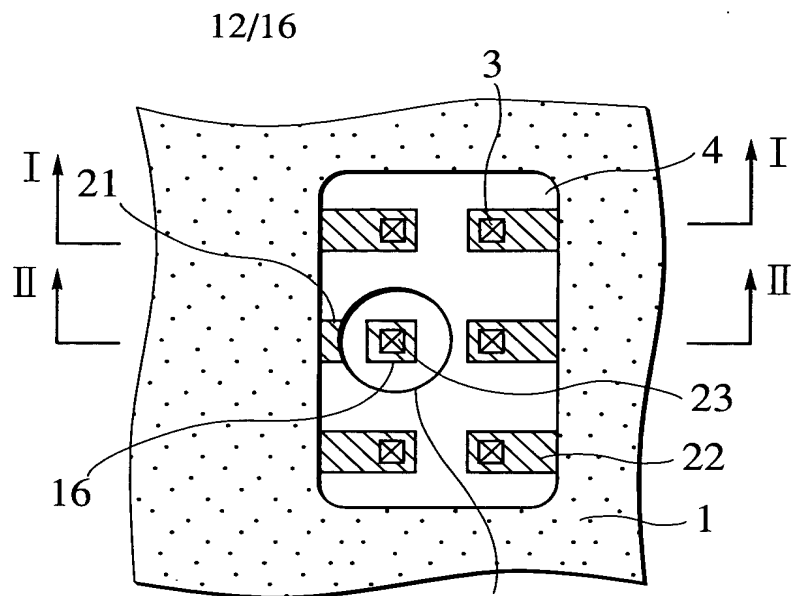


FIG.12B

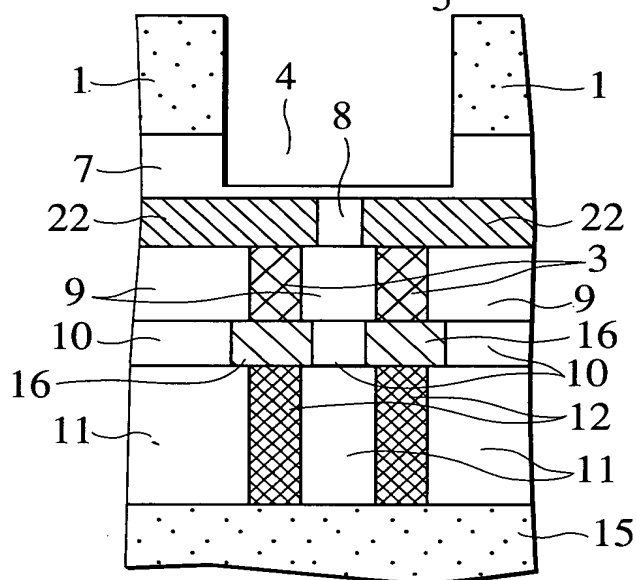


FIG.12C

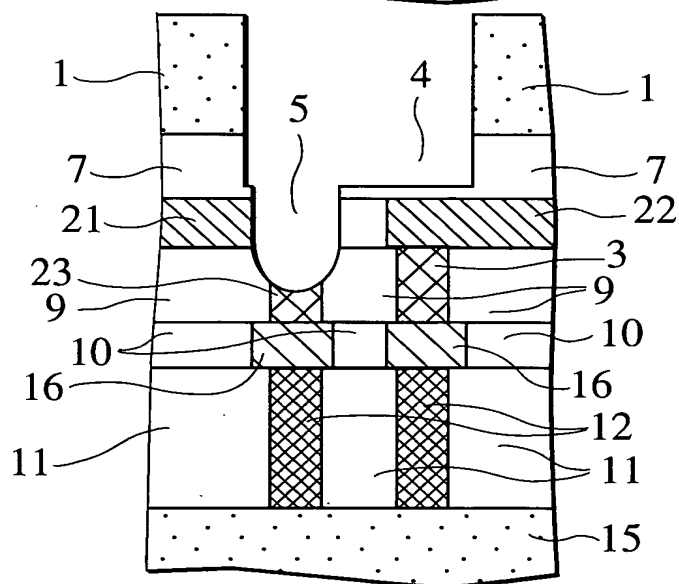


FIG.13A

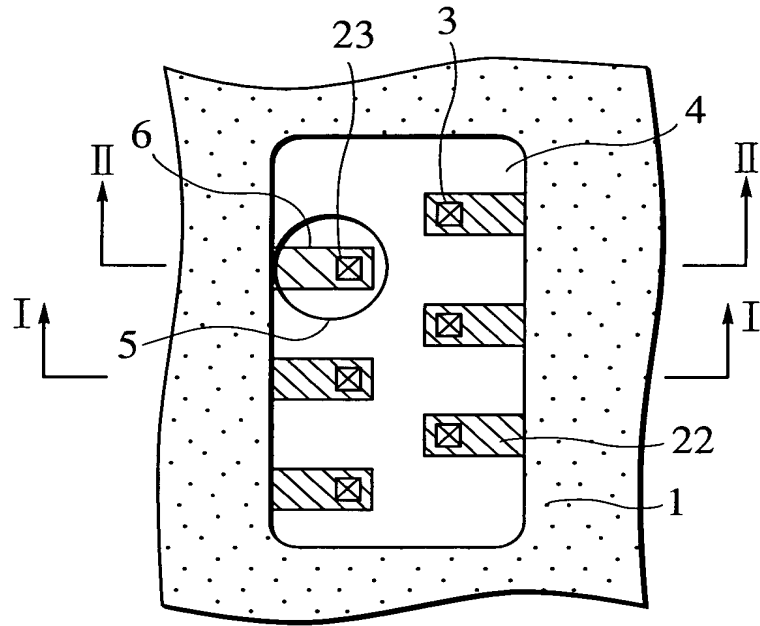


FIG.13B

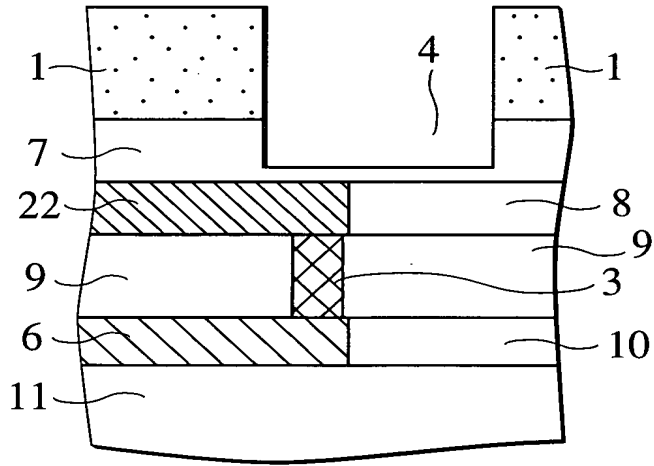


FIG.13C

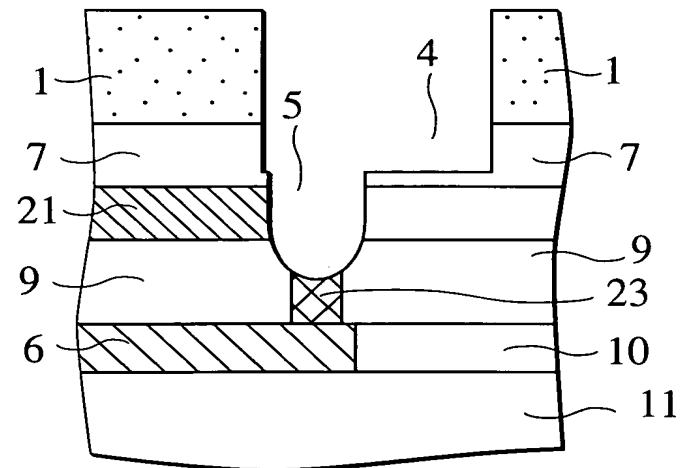


Figure 1 is a schematic diagram of a composite material structure. It shows a central rectangular region (3) with a circular hole (21) and a central square (23). This region is surrounded by a matrix (1) with a dotted pattern. The matrix is divided into regions (22) and (24) by a horizontal line (4). The central region (3) is further divided into sub-regions (5) and (6). Arrows I and II indicate directions.

A cross-sectional view of a multi-layered structure. The structure consists of several layers and components. At the top, there are two vertical rectangular blocks labeled 1, filled with a stippled pattern. Below these blocks is a layer labeled 7. In the center, there is a rectangular cavity labeled 4. To the right of this cavity is a vertical rectangular block labeled 8. Below the layer 7 is a horizontal layer labeled 22, which is filled with diagonal hatching. Below layer 22 is a layer labeled 9, which contains two rectangular blocks labeled 3, filled with a cross-hatch pattern. Below layer 9 is a layer labeled 10, which contains two rectangular blocks labeled 6, filled with diagonal hatching. At the bottom of the structure is a layer labeled 11. The entire structure is shown in a cross-sectional view, with the outer edges of the layers 1, 7, 9, 10, and 11 being curved.

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FIG.15A

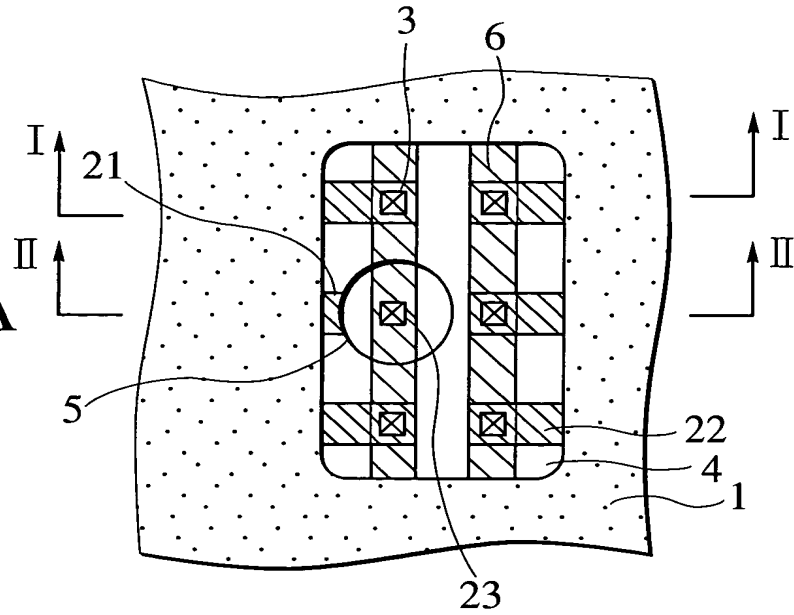


FIG.15B

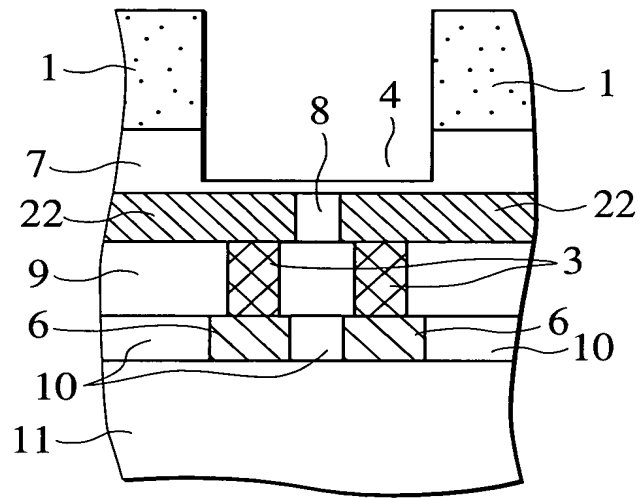


FIG.15C

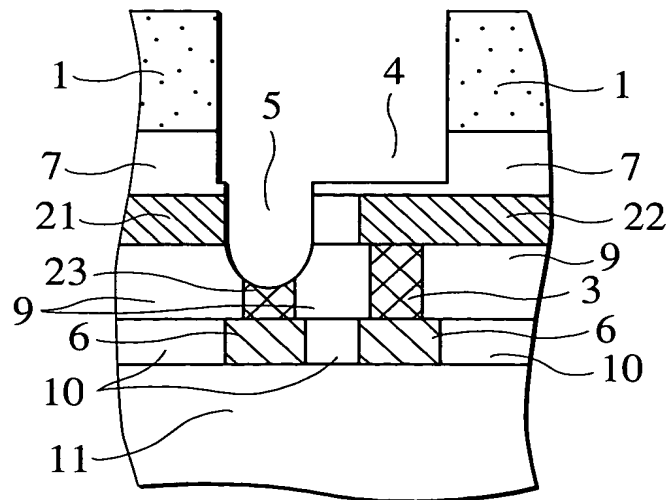


FIG.16A

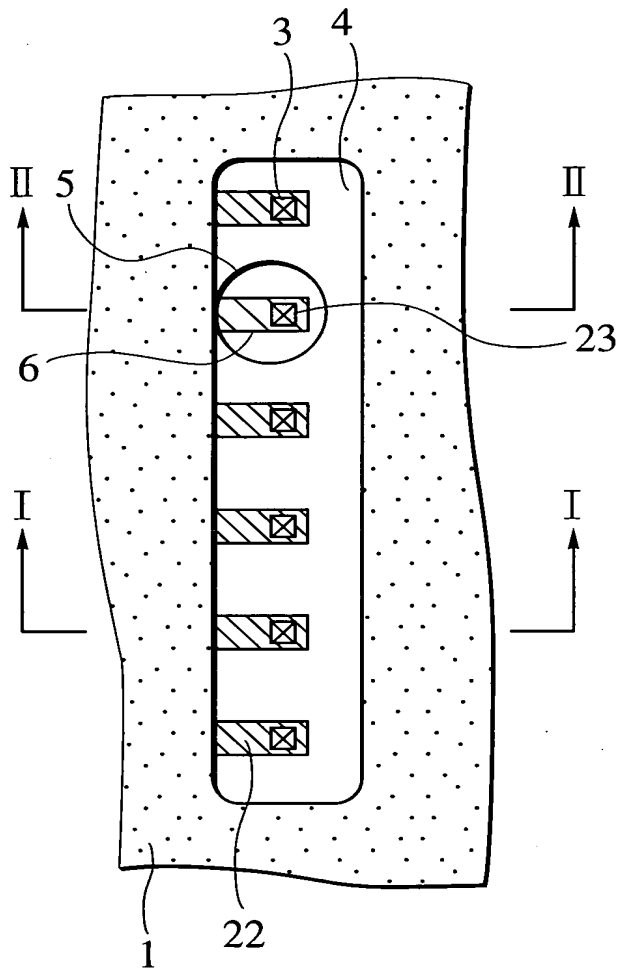


FIG.16B

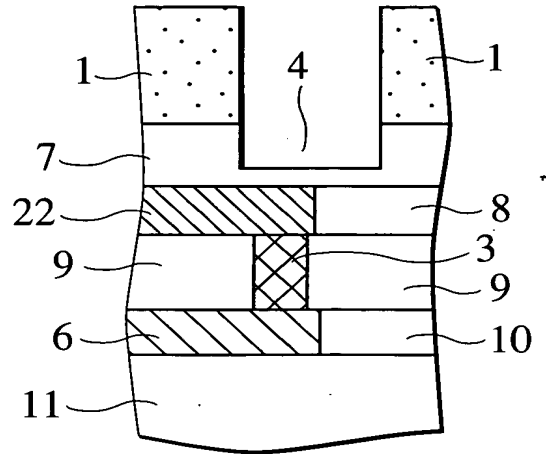


FIG.16C

